

AM-1683 Series

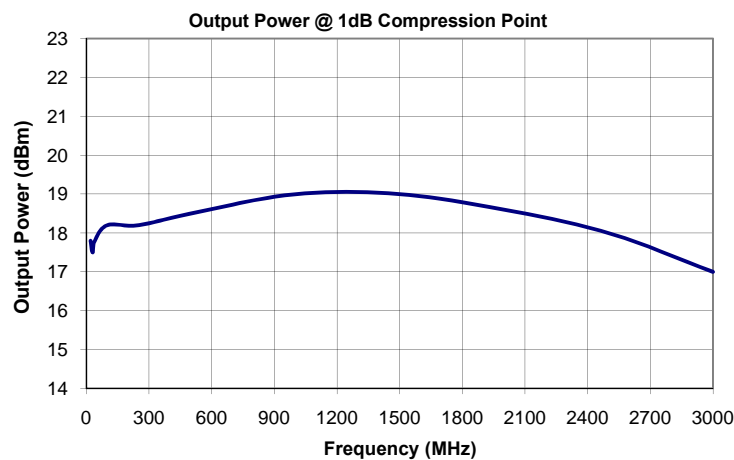
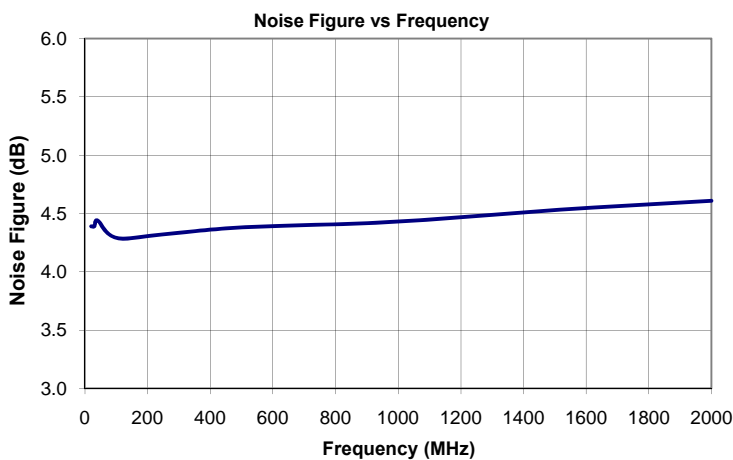
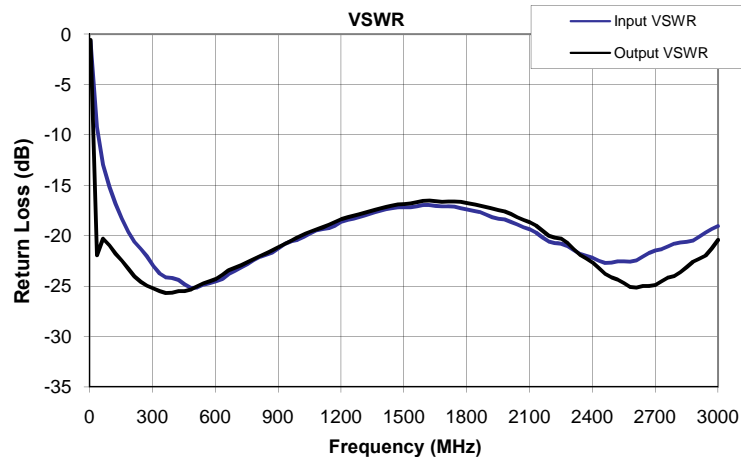
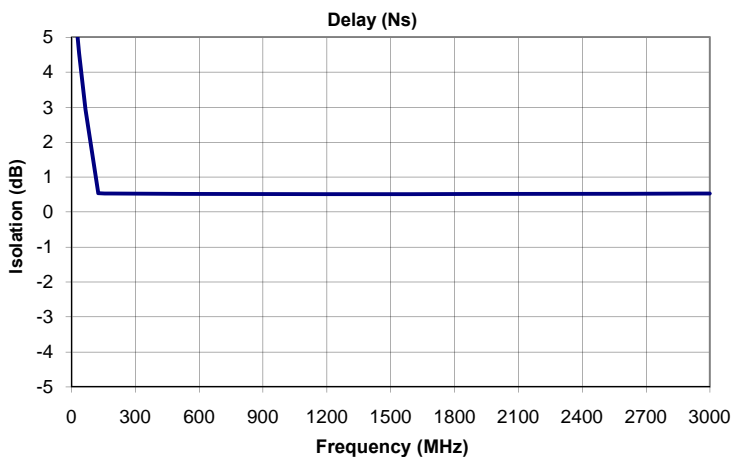
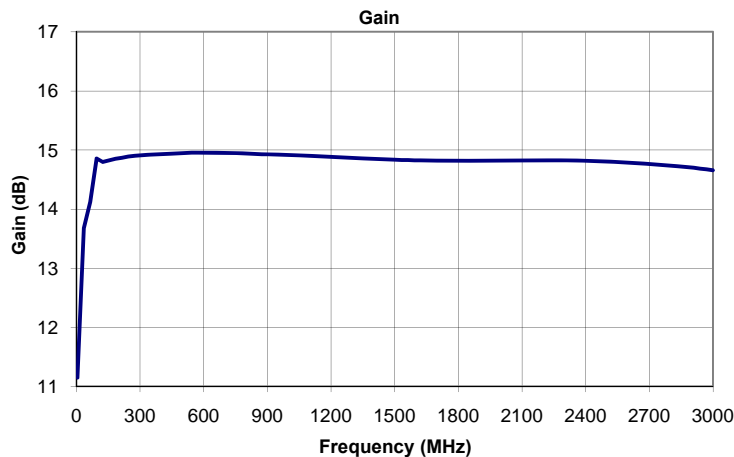
Features

- 3-Year Warranty
- Very broadband response
- Internally regulated to +5V
- Reverse voltage protected

Parameter	Specification
Frequency Range	50-3000 MHz
Gain	12 dB Min, 15 dB Typ.
Gain Flatness	± 1.5 dB Max.
Input VSWR	2.0:1 Max.
Output VSWR	2.0:1 Max.
Noise Figure (dB)	5.0 dB Max.
*Output P1dB (dBm)	+17, +17, +16
DC Voltage	+8 to +30 (Marked for +15V)
DC Current	100

*Noise Figure at 10 MHz, 1500 MHz & 3000 MHz

*P1dB at 50 MHz, 1500 MHz & 3000 MHz



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Freq. (MHz)	Gain (dB)	Isol. (dB)	Input VSWR (dBRL)	Output VSWR (dBRL)	S21 Delay nS
5.0	11.1	-32.6	-0.7	-0.6	6.53
35.0	13.7	-19.7	-9.2	-21.9	4.54
64.9	14.1	-19.5	-13.0	-20.3	2.93
94.9	14.9	-19.3	-15.2	-21.0	1.73
124.8	14.8	-19.2	-16.8	-21.8	0.53
154.8	14.8	-19.1	-18.3	-22.5	0.52
184.7	14.8	-19.1	-19.6	-23.3	0.52
214.7	14.9	-19.1	-20.6	-24.0	0.52
244.6	14.9	-19.0	-21.3	-24.6	0.52
274.6	14.9	-19.0	-22.1	-24.9	0.52
304.5	14.9	-19.0	-23.0	-25.2	0.51
334.5	14.9	-19.0	-23.8	-25.5	0.51
364.4	14.9	-19.0	-24.1	-25.7	0.51
394.4	14.9	-19.0	-24.2	-25.6	0.51
424.3	14.9	-19.0	-24.4	-25.5	0.51
454.3	14.9	-19.0	-24.8	-25.5	0.51
484.2	14.9	-19.0	-25.2	-25.3	0.51
514.2	14.9	-19.0	-25.1	-25.0	0.51
544.1	15.0	-19.0	-24.9	-24.7	0.51
574.1	15.0	-19.0	-24.7	-24.5	0.51
604.0	15.0	-19.0	-24.5	-24.3	0.51
634.0	15.0	-19.0	-24.3	-23.9	0.51
663.9	14.9	-19.0	-23.8	-23.4	0.51
693.9	14.9	-19.0	-23.5	-23.2	0.51
723.8	14.9	-19.0	-23.2	-22.9	0.51
753.8	14.9	-19.0	-22.8	-22.7	0.51
783.7	14.9	-19.0	-22.4	-22.3	0.51
813.7	14.9	-19.0	-22.1	-22.0	0.51
843.6	14.9	-19.0	-21.9	-21.7	0.51
873.6	14.9	-19.0	-21.6	-21.5	0.51
903.5	14.9	-19.0	-21.3	-21.1	0.51
933.5	14.9	-19.0	-20.8	-20.8	0.51
963.4	14.9	-19.0	-20.6	-20.5	0.51
993.4	14.9	-19.0	-20.4	-20.2	0.51
1023.3	14.9	-19.0	-20.1	-19.9	0.51
1053.3	14.9	-19.0	-19.8	-19.6	0.51
1083.2	14.9	-19.1	-19.5	-19.4	0.51
1113.2	14.9	-19.1	-19.4	-19.2	0.51
1143.1	14.9	-19.1	-19.2	-18.9	0.51
1173.1	14.9	-19.1	-19.0	-18.6	0.51
1203.0	14.9	-19.1	-18.6	-18.4	0.51
1233.0	14.9	-19.1	-18.4	-18.2	0.51
1262.9	14.9	-19.1	-18.3	-18.0	0.51
1292.9	14.9	-19.1	-18.1	-17.9	0.51
1322.8	14.9	-19.1	-17.9	-17.7	0.51
1352.8	14.9	-19.1	-17.7	-17.5	0.51
1382.7	14.9	-19.2	-17.6	-17.3	0.51
1412.7	14.8	-19.2	-17.4	-17.2	0.51
1442.6	14.8	-19.2	-17.3	-17.0	0.50
1472.6	14.8	-19.2	-17.2	-16.9	0.51
1502.5	14.8	-19.2	-17.2	-16.9	0.51
1532.5	14.8	-19.2	-17.2	-16.8	0.51

Freq. (MHz)	Gain (dB)	Isol. (dB)	Input VSWR (dBRL)	Output VSWR (dBRL)	S21 Delay nS
1562.4	14.8	-19.2	-17.1	-16.7	0.51
1592.4	14.8	-19.2	-17.0	-16.5	0.51
1622.3	14.8	-19.2	-17.0	-16.5	0.51
1652.3	14.8	-19.2	-17.1	-16.6	0.51
1682.2	14.8	-19.3	-17.1	-16.6	0.51
1712.2	14.8	-19.3	-17.1	-16.6	0.51
1742.1	14.8	-19.3	-17.1	-16.6	0.51
1772.1	14.8	-19.3	-17.3	-16.7	0.51
1802.0	14.8	-19.3	-17.4	-16.8	0.51
1832.0	14.8	-19.3	-17.5	-16.9	0.51
1861.9	14.8	-19.3	-17.7	-17.0	0.51
1891.9	14.8	-19.3	-17.9	-17.1	0.51
1921.8	14.8	-19.3	-18.2	-17.3	0.51
1951.8	14.8	-19.3	-18.3	-17.5	0.51
1981.7	14.8	-19.3	-18.4	-17.6	0.51
2011.7	14.8	-19.4	-18.6	-17.9	0.51
2041.6	14.8	-19.4	-18.9	-18.2	0.51
2071.6	14.8	-19.4	-19.2	-18.4	0.51
2101.5	14.8	-19.4	-19.4	-18.7	0.51
2131.5	14.8	-19.4	-19.7	-19.0	0.51
2161.4	14.8	-19.4	-20.2	-19.5	0.51
2191.4	14.8	-19.4	-20.6	-20.0	0.51
2221.3	14.8	-19.4	-20.8	-20.2	0.51
2251.3	14.8	-19.4	-20.8	-20.3	0.51
2281.2	14.8	-19.4	-21.0	-20.7	0.51
2311.2	14.8	-19.4	-21.4	-21.4	0.51
2341.1	14.8	-19.5	-21.8	-21.9	0.52
2371.1	14.8	-19.5	-22.0	-22.3	0.52
2401.0	14.8	-19.5	-22.2	-22.7	0.52
2431.0	14.8	-19.5	-22.5	-23.2	0.52
2460.9	14.8	-19.5	-22.7	-23.8	0.52
2490.9	14.8	-19.5	-22.7	-24.1	0.52
2520.8	14.8	-19.5	-22.5	-24.4	0.52
2550.8	14.8	-19.6	-22.5	-24.7	0.52
2580.7	14.8	-19.6	-22.6	-25.1	0.52
2610.7	14.8	-19.6	-22.4	-25.2	0.52
2640.6	14.8	-19.6	-22.1	-25.0	0.52
2670.6	14.8	-19.6	-21.7	-25.0	0.52
2700.5	14.8	-19.7	-21.5	-24.9	0.52
2730.5	14.8	-19.7	-21.3	-24.5	0.52
2760.4	14.7	-19.7	-21.1	-24.2	0.52
2790.4	14.7	-19.7	-20.8	-24.0	0.52
2820.3	14.7	-19.8	-20.7	-23.6	0.52
2850.3	14.7	-19.8	-20.6	-23.1	0.52
2880.2	14.7	-19.8	-20.5	-22.6	0.52
2910.2	14.7	-19.8	-20.1	-22.3	0.52
2940.1	14.7	-19.8	-19.7	-22.0	0.52
2970.1	14.7	-19.9	-19.4	-21.3	0.52
3000.0	14.7	-19.9	-19.0	-20.4	0.52